

RAW SEQUENCE LISTING

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Application Serial Number: 10/562, 106
Source: IEWP
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/562,106

DATE: 01/04/2006
TIME: 10:24:51

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3 <110> APPLICANT: Agrinomics LLC
5 <120> TITLE OF INVENTION: GENERATION OF PLANTS WITH IMPROVED DROUGHT TOLERANCE
7 <130> FILE REFERENCE: 6616-72617-02
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/562,106
C--> 9 <141> CURRENT FILING DATE: 2005-12-22
9 <150> PRIOR APPLICATION NUMBER: 60/482,139
10 <151> PRIOR FILING DATE: 2003-06-24
12 <150> PRIOR APPLICATION NUMBER: PCT/US04/20321
13 <151> PRIOR FILING DATE: 2004-06-23
15 <160> NUMBER OF SEQ ID NOS: 3
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 600
21 <212> TYPE: DNA
22 <213> ORGANISM: Arabidopsis thaliana
24 <400> SEQUENCE: 1
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29 ttcataacc acagaggatc cgacacaaaag agaaacatcg caacattgct ttatgacaat 180
31 ctcaaattctc gtaacttacg tccattctt gattccaaga acatgaagcc cgagataag 240
33 ctttttgatc atatcaacaa cgcgattctc acttctaaag tcgctgtac ggtttttct 300
35 ccttaactact gcgattcata tttctgtctg cacgagctt ctcttataat ggagtccaga 360
37 aaaagggtca taccgatatt ctgcgacatc aaacccacaa aactcgatgt tatgatcgag 420
39 aggggtgacat gttctgtatga tgaaaatccaa aggttttagat gggcccttca agaagctaaa 480
41 gatatcgtt gactcacgtt tgattcctac aaaggaaatt tatcgaggt tgttacagtt 540
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46 <210> SEQ ID NO: 2
47 <211> LENGTH: 199
48 <212> TYPE: PRT
49 <213> ORGANISM: Arabidopsis thaliana
51 <400> SEQUENCE: 2
53 Met Ile Ser Arg Val Phe Asn Phe Met Lys Gln Ser Glu Thr Val Gln 15
54 1 5 10 15
57 Leu Asn Asn Lys Leu Phe Leu Asp Leu Leu Ser Ser Ser Ser Ala 30
58 20 25 30
61 Lys Pro Lys Ile Leu His Asp Val Phe Ile Asn His Arg Gly Ser Asp 45
62 35 40 45
65 Thr Lys Arg Asn Ile Ala Thr Leu Leu Tyr Asp Asn Leu Lys Ser Arg 60
66 50 55 60
69 Asn Leu Arg Pro Phe Leu Asp Ser Lys Asn Met Lys Pro Gly Asp Lys 80
70 65 70 75 80
73 Leu Phe Asp His Ile Asn Asn Ala Ile Leu Thr Ser Lys Val Ala Val 95
74 85 90 95

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77 Thr Val Phe Ser Pro Asn Tyr Cys Asp Ser Tyr Phe Cys Leu His Glu
78 100 105 110
81 Leu Ala Leu Ile Met Glu Ser Arg Lys Arg Val Ile Pro Ile Phe Cys
82 115 120 125
85 Asp Ile Lys Pro Ser Gln Leu Asp Val Met Ile Glu Arg Val Thr Cys
86 130 135 140
89 Ser Asp Asp Glu Ile Gln Arg Phe Arg Trp Ala Leu Gln Glu Ala Lys
90 145 150 155 160
93 Asp Ile Val Gly Leu Thr Phe Asp Ser Tyr Lys Gly Asn Leu Ser Glu
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97 Val Val Thr Val Ala Ser Asp Val Ile Val Glu Arg Leu Val Glu Leu
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102 195
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106 <211> LENGTH: 585
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113 tcctagctat atatttctt aagcagccac accatgcaac gtaacatggc aatgagcttc 120
115 ttccagcgca ggttcttcag ccagcaaagg cgaacacaaa tggggcaag gcgagtgtt 180
117 gagccgtgtg acgtgttcct gaaccatagg agcatggaca caaagaaaac agtagccacg 240
119 ttgctctatg accatttcaa gaggcacggt ttcaaccctt tcttggacaa caagaacatg 300
121 aagccagggg acaaactgtt tgagaaaatc aataggctg ttatggagtg caagattggg 360
123 gtggcggttc tctcgccacg ctacacggag tcctatccc gcctccatga gcttgcactt 420
125 ctctgggtt gcaacaagaa ggtcattccc atcttctgtg atgtaaagcc ttgcagttt 480
127 cgcggtgtca acaaccctaa gtggctgaa gatgaactta gacgcttcacg acgggcttt 540
129 gaggaggtta agttcaccgt gggactcacg ttcaactcct caaaa 585

VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date